SAMSUNG

LCD-Monitor

Chassis LS21BRBS

Model 214T

SERVICE Manual

LCD Monitor

Fashion Feature

- Applying MFM UI
- Applying Magic Color Pro
- Applying HDCP / PIP
- Supporting Magic Tune 4.0
- Supporting Analog / Digital / Video / S-video

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Product Announcement:

This product is certificated to meet RoHS Directive and Lead-Free produced definition. Using approved critical components only is recommended when the situation to replace defective parts. Vender assumes no liability express or implied, arising out of any unauthorized modification of design or replacing non-RoHS parts. Service providers assume all liability.

Qualified Repairability:

Proper service and repair is important to the safe, reliable operation of all series products. The service providers recommended by vender should being aware of notices listed in this service manual in order to minimize the risk of personal injury when perform service procedures. Furthermore, the possible existed improper repairing method may damage equipment or products. It is recommended that service engineers should have repairing knowledge, experience, as well as appropriate product training per new model before performing the service procedures.

NOTICE:

- To avoid electrical shocks, the products should be connect to an authorized power cord, and turn off the master power switch each time before removing the AC power cord.
- To prevent the product away from water or exploded in extremely high humility environment.
- To ensure the continued reliability of this product, use only original manufacturer's specified parts.
- To ensure following safety repairing behavior, put the replaced part on the components side of PWBA, not solder side.
- To ensure using a proper screwdriver, follow the torque and force listed in assembly and disassembly procedures to screw and unscrew screws.
- Using Lead-Free solder to well mounted the parts.
- The fusion point of Lead-Free solder requested in the degree of 220°C.

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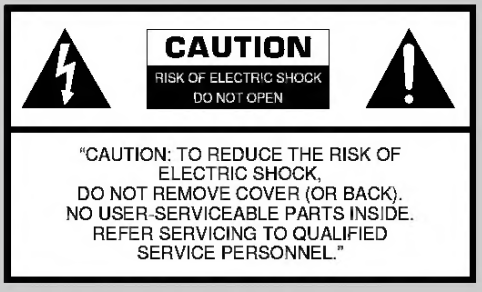
WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
"CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."

Explanation of Graphical Symbols:

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner's record

For your convenience, record the model number and serial number (you will find them on the rear of your unit) in the space provided below. Please refer to them when you contact your Aiwa dealer in case of difficulty.

Model No.	Serial No. (Lot No.)
AV-S17	

PRECAUTIONS

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

Installation

1 **Water and moisture** — Do not use this unit near water, such as near a bathtub, washbowl, swimming pool, or the like.
2 **Heat** — Do not use this unit near heat sources, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or higher than 35°C (95°F).
3 **Mounting surface** — Place the unit on a flat, even surface.
4 **Ventilation** — The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm (4 in.) clearance from the rear and the top of the unit, and 5 cm (2 in.) from each side.
- Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
- Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.

5 **Objects and liquid entry** — Take care that objects or liquids do not get inside the unit through the ventilation openings.
6 **Carts and stands** — When placed or mounted on a stand or cart, the unit should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.

7 **Wall or ceiling mounting** — The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

Electric Power

1 **Power sources** — Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.
2 **Polarization** — As a safety feature, some units are equipped with polarized AC power plugs which can only be inserted one way into a power outlet. If it is difficult or impossible to insert the AC power plug into an outlet, turn the plug over and try again. If it is not still inserted easily into the outlet, please call a qualified service technician to service or replace the outlet. To avoid defeating the safety feature of the polarized plug, do not force it into a power outlet.
3 **AC power cord**
- When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
- Never handle the AC power plug with wet hands, as this could result in fire or shock.
- Power cords should be firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
- Avoid overloading AC outlets and extension cords beyond their capacity, as this could result in fire or shock.

4 **Extension cord** — To help prevent electric shock, do not use a polarized AC power plug with an extension cord, receptacle, or other outlet unless the polarized plug can be completely inserted to prevent exposure of the blades of the plug.
5 **When not in use** — Unplug the AC power cord from the AC power outlet if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

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Table of Contents

Introduction 3
Model Identification 3
Customer Service 4
Serial Plate Location 4
Wiring Diagram 4

Safety Information 5
Explanation of Safety Messages 5
Important Safety Instructions 6

Operating Instructions 8
Emergency Stop Button on CE Models 8
Operating Instructions 8
Control Instructions 9
- LED OPL Control 9
- Dual Digital Timer Control 10
- Single Drop Control 13
- DX4 Coin Control 15
- DX4 OPL Control 16

Ignition Control Operation for Non-CE Models 17
Ignition Control Operation for CE Models 18

Maintenance 20
Daily 20
Monthly 22
Quarterly 22
Bi-Annually 22
Annually 22

Before You Call for Service 26
Customer Service 26

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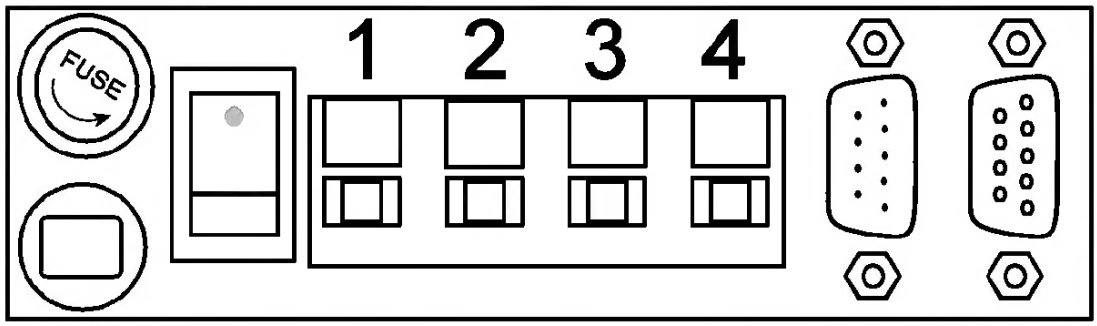
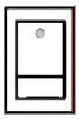
Rear Panel



-Fuse Holder

- Power Cord


- Power Switch

- Terminal Strip

-DB-9 connector (male)

-DB-9 connector (female)

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- using a display visor, such as a piece of cardboard extended from the display's top front edge.
- Avoid adjusting your display to an awkward viewing angle.
- Avoid looking at bright light sources for extended periods of time.

Developing good work habits

The following work habits make computer use more relaxing and productive:

- Take short breaks regularly and often.
- Perform some stretching exercises.
- Breathe fresh air as often as possible.
- Exercise regularly and maintain a healthy body.

Warning
We do not recommend using the computer on a couch or bed. If this is unavoidable, work for only short periods, take breaks regularly, and do some stretching exercises.

Protecting your hearing

Warning
Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.

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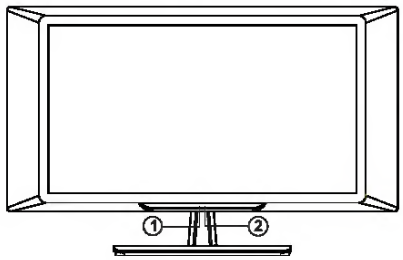
3 Use your TV

Congratulations on your purchase, and welcome to Philips. To fully benefit from the support that Philips offers, register your TV at www.philips.com/welcome.

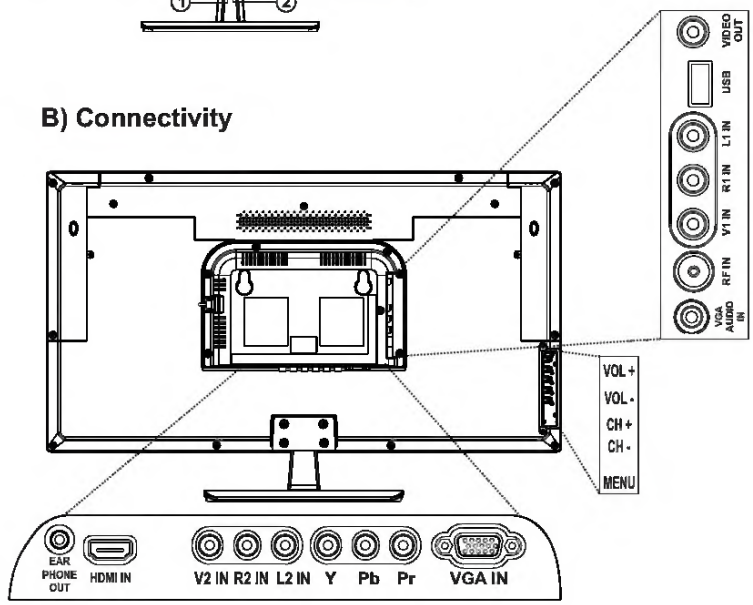
3.1 Name and Function of Control on Set (24PFL2159/V7)

A) TV controls and Indicators



1) IR SENSOR
2) LED INDICATOR

B) Connectivity



Note:
1) Above sketches are just for representation. Actual product may look different.
2) Connect YPbPr audio input to R2IN & L2IN input terminal of Av2

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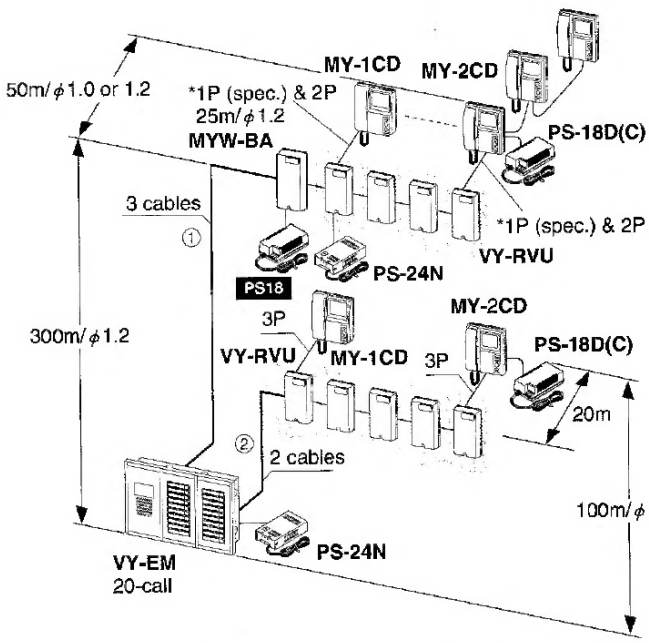
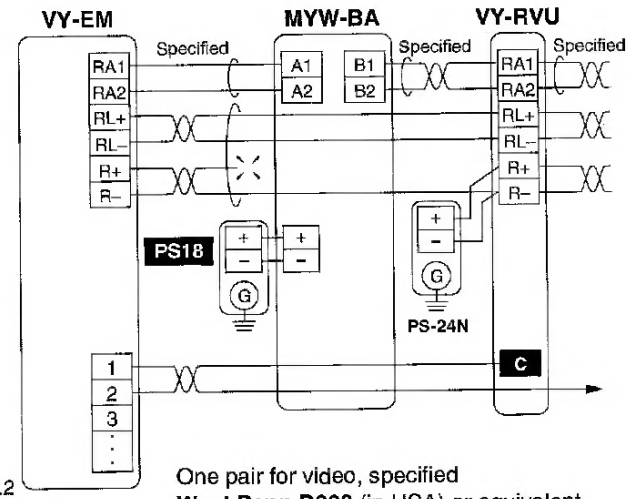
■ VY-EM more than 100m (330') application

When VY-EM has distant installation of a VY-RVU area more than 100 ~ 300m (330' ~ 980') away, use an MYW-BA and a specified 1-pair video cable out of 3-pair trunk. A PS-24N is additionally required for the VY-RVU's.



① *1P(specified)
2P(audio, trunk)
5P(indiv. call)
separate

② 3P(trunk)
5P(indiv. call)



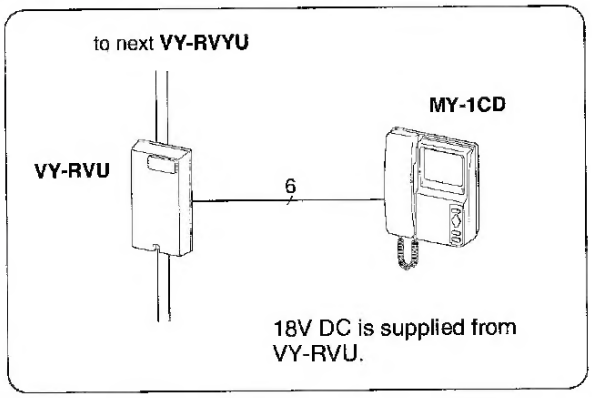
One pair for video, specified
West Penn D990 (in USA) or equivalent

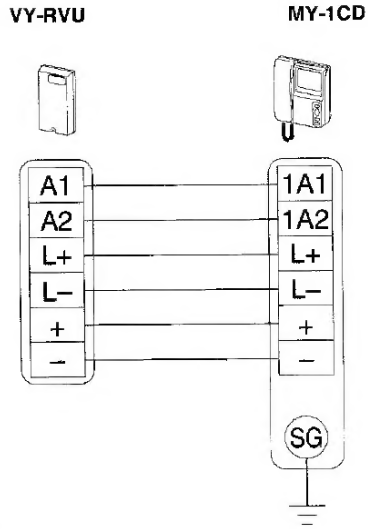
- **Impedance: 90ohm**
- **Permitted closed loop DC resistance: 9.9 ohm or less**
- **Non-PVC insulation**

plus 2 pairs (R+ unconnected), separarately sheathed.

PS-18 : PS-18YC or PS-18C.
PS-18YD or PS-18D

■ Residential monitor MY-1CD





* Run 6-conductor cable, twisted or non-twisted to MY-1CD.
* Take SG terminal to earth, which may help to eliminate noise from +, – lines.

■ Wiring distance

* VY-RVU ~ Residential monitor

Diameter	1.0mm	1.2mm
Distance	20m	25m
AWG	18AWG	16AWG
Distance	65'	80'

★ The distance is doubled with reinforced wires on +, –.

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SPECIFICATIONS AND RANGES

TIME OF DAY

- 24 hours with one minute resolution
- Functionel in either 12 or 24 hour formats
- Default value = 12:00.00 PM, January 1, 2006

ODOMETER

- 99999 miles or kilometers
- 1 mile or 1 kilometer resolution

WHEEL SIZE

- 14 pre-programmed wheel sizes
- Wheel circumference measured in millimeters

SPEED

- 0-99.9 MPH or KPH
- 0.1 MPH or KPH resolution

OPERATING TEMPERATURE

- 40°F to 104°F (4°C to 40°C)

TROUBLESHOOTING

DISPLAY IS BLANK: Change the battery or reset the computer (see page 15).

DISPLAY SHOWS PARTIAL DIGITS: Reset the computer.

SPEED/DISTANCE NOT RECORDING: Check sensor/magnet alignment. Make sure that the sensor is no more than 1/16" (2mm) from the magnet.

ENTIRE SCREEN IS DARK: Did you have the bike parked in the hot direct sun when it was parked? If so, move the bike to the shade. The data will be OK.

COMPUTER MOVES ON HANDLEBAR: Tighten tie straps or add sizing straps to improve fit on handlebar.

IMPORTANT

- Pay attention to traffic and road conditions at all times. Your first obligation is to be attentive and to ride safely.
- Keep your computer in good shape and use it safely.
- Do not expose the computer to direct sunlight except when you are riding.
- Do not disassemble the computer.
- Make sure the magnet and the transmitter are well aligned and check them regularly
- Keep the computer and all of its components tightly attached and check them regularly. If any of the components come loose, it could become tangled in your spokes and cause and accident
- See your authorized Specialized dealer if you have any trouble installing or maintaining your computer.
- Clean the unit with a mild detergent and a soft dry cloth. Never use any kind of solvent or alcohol.
- The SpeedZone Sport Cyclocomputer is intended for use on bicycles only and should not be used on any motorized vehicle.

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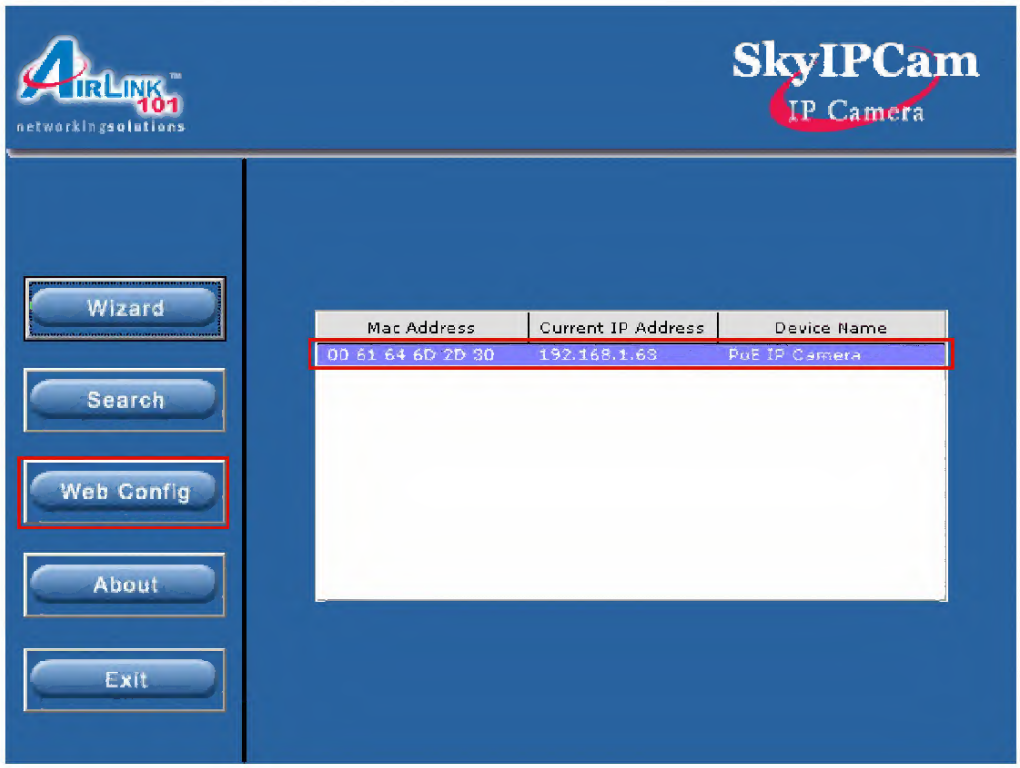
Section 4

Viewing Images

Step 1 At the Setup Wizard, select the desired camera from the list and click on the **Web Config** button.



Step 2 Enter the username and password for the network camera. The default username and password are both "**admin**".

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DS0 DP Loopback *eoc* Remapping

Upon receipt of subsequent DS0 DP loopback codes when the D channel is disabled, the U-BR1TE lII remaps the subsequent DS0 DP loopback sequences into the respective lSDN *eoc* loopback messages. This capability will permit all downstream ISDN D channel enabled U-BR1TEs, U-Repeaters, and TRISDN elements to respond to standard DDS DS0 DP loopback commands via the ISDN *eoc* as shown in **Figure 7**.

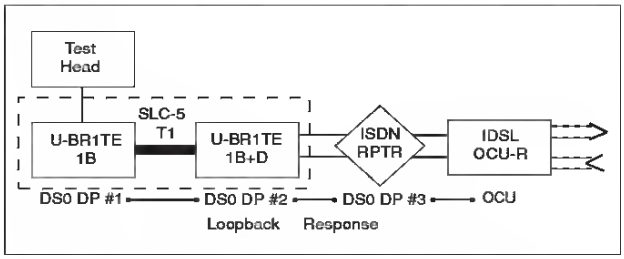

Figure 7. IDSL/DDS Loopback Response

NOTE

For DDS circuits with the D channel disabled, all tandem U-BR1TE elements should be ADTRAN U-BR1TEs with DDS Loopback Capability for remote end test operation (OCU) to function properly. See 2B in Figure 6. ln D channel disabled applications, older non-DDS vintage U-BRITEs may not pass the OCU latching loopback sequence to the IDSL OCU-R.

Upon receipt of an OCU latching loopback sequence the U-BR1TE lII passes the OCU sequence in-band downstream to the IDSL OCU-R. U-BR1TE IIIs do not respond to the CSU latching loopback command but simultaneously passes it through to the CSU/DSU while mapping the NT1 *eoc* address. The IDSL OCU-R reverses sealing current on its 4-wire AMl DDS interface to place the customer CSU into loopback upon receipt of the CSU latching loopback. The following data sequence enables the DS0 DP, OCU, and CSU latching loopbacks:

1. Minimum of 35 transition in progress (TlP) bytes (X0111010).
2. Minimum of 35 loopback select code (LSC) bytes: DS0 DP (X0000101), OCU (X1010101), CSU (X0110001).
3. Minimum of 100 loopback enable (LBE) bytes (X1010110).
4. Minimum of 32 far-end voice (FEV) bytes (X1011010).

If the U-interface of the U-BR1TE lII is not in sync, the unit transmits Mux-Out-of-Sync (X0011010) upstream towards the network.
X Denotes *Don't Care* bit - either a 1 or a 0.

Disabling DS0 DP, OCU, or CSU latching loopback sequence:

1. Minimum sequence of 35 TIP bytes.

Front Panel Tests

The valid front panel tests in leased modes are ADR1, CRTX, LPTX, and LPBK for all circuit positions. NT1, ADR1-ADR6 loopback tests are valid for the LULT mode only. ADR2 would be used to test a U-Repeater or ADR2 and ADR3 would be used to test TRISDN elements respectively.

Initiate Loopback at IDSL OCU-R

When used for DDS, the SLC-5 U-BR1TE may initiate a loopback at the lDSL OCU-R. The in-band latching OCU loopback code is sent to loop the IDSL OCU-R when the NT1 address is selected on SW3. To invoke the OCU loopback at the IDSL OCU-R, the front panel test knob must be in the NT1 address location.

ADTRAN U-BR1TE Bidirectional Loopback

In LULT mode, the ADTRAN U-BR1TE will execute a bidirectional loopback when performing DS0 DP loopback. Refer to **Figure 8** for an illustration of the bidirectional loopback.

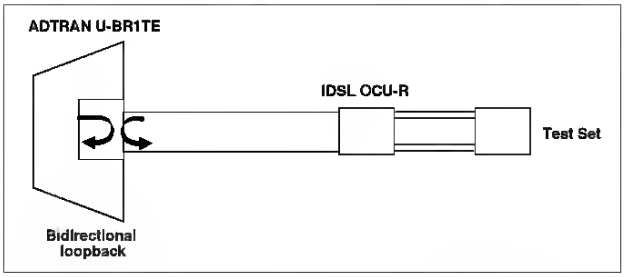

Figure 8. ADTRAN U-BR1TE Bidirectional Loopback

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Supported Timing

STANDARD		RESOLUTION	HORIZONTAL FREQUENCY(kHz)	VERTICAL FREQUENCY(Hz)
VESA	VGA	640 × 480	31.469	59.940
		640 × 480	37.500	75.000
	SVGA	800 × 600	37.879	60.317
		800 × 600	46.875	75.000
	XGA	1024 × 768	48.363	60.004
		1024 × 768	56.476	70.069
		1024 × 768	60.023	75.029
	SXGA	1280 × 1024	64.000	60.000
		1280 × 1024	80.000	75.000
IBM	DOS	720 × 400	31.469	70.087
MAC	XGA	1024 × 768	48.780	60.001
		1024 × 768	60.241	74.927

Support Modes

There will be 20 total support modes to accommodate the above mode and other video modes within the frequency range of the monitor.

85Hz refresh rate Support

Monitor should display 85Hz refresh rate mode as emergency mode Monitor should display " Out of Range" warning menu at this mode

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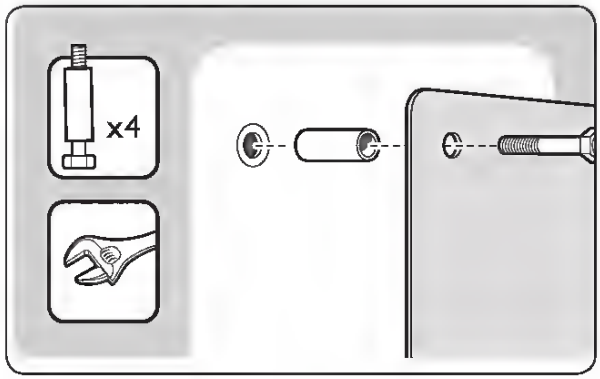
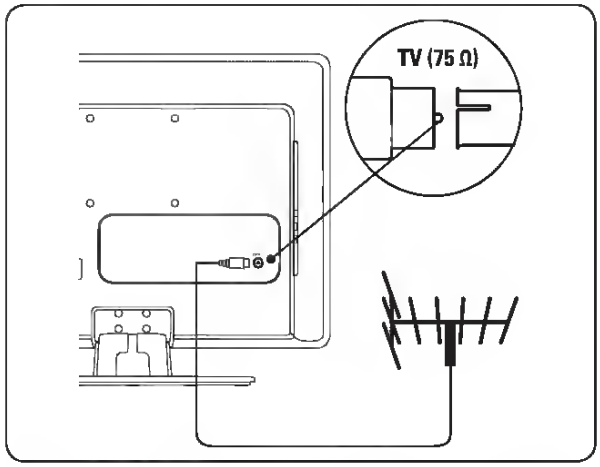
3. Вставте болти, у плату/кронштейн та фіксатори і, за допомогою гайкового ключа надійно прикрутіть болти до монтажних гайок.



4. Дотримуйтесь інструкцій, які додаються до VESA-сумісного настінного кронштейна.

3.3 Під'єднання кабелю антени

1. Знайдіть роз'єм **TV ANTENNA**, який розташований з тильної сторони телевізора.
2. Під'єднайте один кінець кабелю антени (не додається) до роз'єму **TV ANTENNA**. Якщо кабель антени не підходить, використайте адаптер.



3. Під'єднайте інший кінець кабелю антени до виходу антени; перевірте, чи кабель надійно під'єднаний з обох кінців.

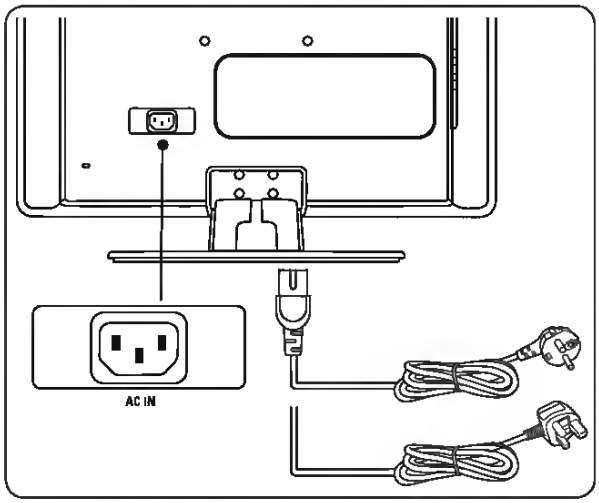
3.4 Під'єднання кабелю живлення

⚠ ПОПЕРЕДЖЕННЯ. Перевірте, чи напруга в мережі відповідає напрузі, вказаній на задній панелі телевізора. Не під'єднуйте кабель живлення, якщо значення напруги різняться.

Щоб під'єднати кабель живлення

Примітка. Розташування роз'єму живлення відрізняється, залежно від моделі телевізора.

1. Знайдіть роз'єм **AC IN**, який знаходиться на задній панелі або внизу телевізора.



2. Під'єднайте кабель живлення до роз'єму живлення **AC IN**.
3. Під'єднайте кабель живлення до мережі живлення і перевірте, чи кабель надійно під'єднаний з обох кінців.

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Regulatory Information

For your protection, this product has been tested for conformance to various national and international regulations and standards. The scope of this regulatory testing includes electrical and mechanical safety, electromagnetic emissions, immunity, acoustics and hazardous materials.

When required, approvals are obtained from third party test agencies. Approval marks appear on the product label. In addition, various regulatory bodies require some information under the headings listed in this section.

Safety

This product has not been evaluated for connection to an "IT" power system (ac distribution system having no direct connection to earth according to IEC 950).

Locate the AC outlet near the computer! The ac power cord is this product's main ac disconnect device and must be easily accessible at all times.

Battery Notice

This product contains a Lithium battery.

This battery is not to be removed or replaced by the user. If the battery needs to be replaced, contact your Hewlett-Packard authorized service personnel.

CAUTION Lithium batteries may explode if mistreated. Do not recharge, disassemble, or dispose of in a fire.

Please properly recycle all used batteries.

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2

Removal and Replacement Procedures

This chapter provides subassembly/module-level removal and replacement procedures for the Compaq ProLiant ML350 Generation 3 server. After completing any removal or replacement procedure, run the diagnostics program to verify that all components operate properly.

To service the server, a Torx T-15 screwdriver may be needed.

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한국어

빠른 시작

❶ 설치

1. 전원 코드
2. LAN 케이블 (*)
3. USB 케이블 (*)
4. HDMI 케이블 (*)
5. VGA 케이블
6. S- 비디오 케이블 (*)
7. 컴포짓 비디오 케이블
8. 오디오 케이블 잭 / 잭 (*)
9. 오디오 케이블 잭 /RCA (*)
10. VGA - 컴포넌트 /HDTV 어댑터 연결 (*)
11. 3 RCA 컴포넌트 케이블 (*)
12. RS232 케이블 (*)
13. 유선 원격 연결용 오디오 케이블 잭 (*)
14. 12V DC 케이블 (*)
15. 마우스 (*)
16. USB 디스크/스틱 (*)
    USB WiFi 어댑터 (USB A2 전용) (*)

참고

- (*) 옵션입니다
- 커넥터 인터페이스는 모델의 규격에 따라 다릅니다
- USB 케이블은 길이가 5m 를 초과할 경우 전원이 공급되는 확장선이 필요합니다
- 일부 스마트폰의 경우 MHL 기능을 사용할 수 있도록 하는 컨버터(스마트폰 제조업체에서 제공함)가 필요합니다

❷ 인터페이스 커넥터

컴퓨터 연결하기

1. 프로젝터와 컴퓨터가 꺼져 있는지 확인합니다.
2. VGA 케이블의 한쪽을 프로젝터의 "VGA IN" 커넥터에 연결하고, 반대적으로 컴퓨터의 VGA 커넥터에 연결한 다음 나사를 조입니다.
3. 전원 코드의 한쪽을 프로젝터의 AC 전원 소켓에 연결하고 반대쪽을 전기 콘센트에 연결합니다.

프로젝터 켜기

1. 렌즈 캡을 제거합니다.
2. 프로젝터를 켜고 나서 컴퓨터를 켭니다.
3. 위치, 초점, 줌을 조정합니다.
4. 프리젠테이션을 실행합니다.

프로젝터 끄기

1. 전원 버튼을 두 번 누릅니다.
2. 전원을 켠 후 최소 1분 동안 프로젝트를 끄고 분리하지 마십시오.

Tiếng Việt

Khởi động nhanh

❶ LẮP ĐẶT

1. Dây nguồn
2. Cáp LAN (*)
3. Cáp USB (*)
4. Cáp HDMI (*)
5. Cáp VGA
6. Cáp S-Video (*)
7. Cáp video tổng hợp
8. Giắc cắm cáp âm thanh/giắc cắm (*)
9. Giắc cắm cáp âm thanh/RCA (*)
10. Adapter VGA kết nối với video kết hợp/ HDTV (*)
11. Cáp kết hợp 3 RCA (*)
12. Cáp RS232 (*)
13. Giắc cắm cáp âm thanh cho bộ điều khiển từ xa có dây (*)
14. Cáp DC (dòng điện 1 chiều) 12V (*)
15. Chuột (*)
16. Ổ đĩa /thẻ USB (*)
    Adapter USB WiFi (chỉ áp dụng cho USB A2) (*)

Lưu ý

- (*) Tùy chọn
- Giao diện đầu cắm phải tuân thủ các thông số kỹ thuật của mẫu máy chiếu
- Cáup USB caàn duøng boä môû roäng tieáp ñieän neáu coù ñoä daøi hôn 5 meùt
- Một số điện thoại thông minh cần sử dụng bộ đổi điện (được cung cấp bởi nhà sản xuất điện thoại thông) để bật chức năng MHL

❷ ĐẦU NỐI GIAO DIỆN

Kết nối với máy tính

1. Đảm bảo đã tắt cả máy chiếu và máy tính.
2. Cắm đầu này của cáp VGA vào đầu cắm "VGA IN" trên máy chiếu; cắm đầu còn lại vào đầu cắm VGA trên máy tính và siết chặt các vít.
3. Cắm đầu này của dây nguồn vào ổ cắm điện AC (dòng điện xoay chiều) trên máy chiếu; cắm đầu còn lại vào ổ cắm điện.

Bật nguồn máy chiếu

1. Tháo nắp đậy ống kính.
2. Bật máy chiếu trước rồi tiếp theo là máy tính
3. Chỉnh vị trí, tiêu điểm và mức zoom.
4. Khởi chạy bản thuyết trình.

Tắt nguồn máy chiếu

1. Nhấn nút nguồn hai lần.
2. Không được tắt và ngắt nguồn máy chiếu ít nhất trong một phút sau khi bật.

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Table 5. PCI bridged and no-bridged controllers *(continued)*

PCI Bridged Controllers	Non-Bridged Controllers
Compaq Fibre Channel Controllers	
-	Fibre Channel Host Controller
Compaq Network Interface Controllers	
NC3122 Fast Ethernet NIC	NC1120 Ethernet NIC
NC3131 10/100 Dual Port Modular Base	NC3120 10/100 TX Fast Ethernet NIC
NC3134 Fast Ethernet NIC	NC3121 Fast Ethernet NIC
Netelligent Dual 10/100 TX PCI UTP Controller	NC3123 Fast Ethernet Network Adapter PCI 10/100 Wake-on-LAN
-	NC4621 Token Ring NIC
-	NC6134 Gigabit NIC
-	NetFlex-3 and Netelligent Controllers (excluding Dual Port)
-	NetFlex-3 and Netelligent Controllers (excluding Dual Port)
Compaq Management Devices	
Compaq Remote Insight Board/PCI	-
Compaq Remote Insight Board Lights-Out Edition	-
Other Devices	
-	Most Video Controllers

For a complete listing of supported controllers, visit the Compaq website:

- Network interface controllers, http://www.compaq.com/products/networking/nics/
- Storage controllers, http://www.compaq.com/products/servers/storage

Planning a PCI System Configuration

Modifying a multi-controller configuration and understanding what happens to specific physical devices can be confusing in a PCI-based network server. Spending a little planning time up front to become familiar with the server slot and bus configuration can prevent you from having to take unnecessary time later trying to troubleshoot configuration mismatches. In many cases, it completely prevents mismatches from occurring.

Note: PCI bus number assignment changes only if PCI bridge devices are added or removed from the system.

Compaq recommends adding controllers to slots in the order in which the slots appear on the bus. Following this recommendation prevents the occurrence of the scenarios discussed in the "PCI Test Configurations with ProLiant Servers" section of this paper. Such occurrences are most likely when controllers are added to an existing server configuration out of order, leaving vacancies between slots that reside on the same bus.

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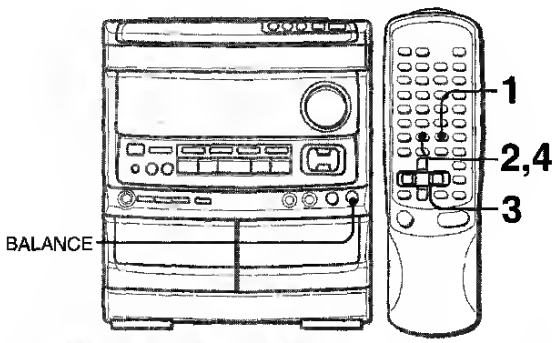
The Dolby Pro Logic feature and the center and rear speakers (standard) assure full-scale home theater sound. When playing back laser discs or video software that have been specially recorded with four-channel sound (left, right, center, rear) and steering logic (for sound directionality), astonishingly realistic sound surrounds the listener to create a new level of audio/visual entertainment.
Independent control of the four sound channels allows the listener to enjoy the same type of sound reproduction experienced in movie theaters. Voices are reproduced in the front and center sound field, while ambient sounds like cars and crowds are reproduced on all sides of the listener for an incredibly lifelike audio/video experience. Please read the following carefully to "tune" the system's output to match the characteristics of your listening space.

Check the following:

- **Before using the DOLBY PRO LOGIC, adjust the proper balance of speaker sound levels.**
- Make sure the supplied speakers are properly connected and positioned. (See page 3)
- Make sure the TV set and video unit are properly connected. (See page 4)
- Make sure the laser disc, video tape, etc., support DOLBY SURROUND.

ADJUSTING SPEAKER LEVEL BALANCE

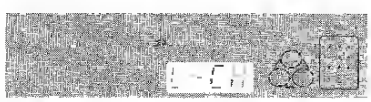


The unit is equipped with a built-in test signal generator called a noise sequencer for easy balance adjustment of all four channels. The sequencer outputs a noise signal that "travels" from channel to channel, enabling the simple adjustment of sound level to achieve, at the listening position, the same apparent loudness from each channel.

Use the remote control.

1 Press the DOLBY PRO LOGIC button to select NORMAL.
If PHANTOM or 3CH LOGIC appears, press the DOLBY PRO LOGIC button repeatedly until NORMAL is selected.

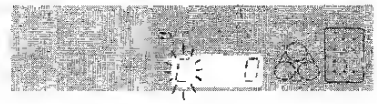
2 Press the MANUAL SELECT (TEST) button and hold it down for about four seconds until "L-CH" lights.



A noise signal is sent to each channel in turn in the following sequence.

→**L-CH**: Left speaker →**R-CH**: Right speaker →
S: Surround speakers ←**C**: Center speaker ←

3 Adjust the sound level of the center and the surround speakers.
While "C" or "S" is displayed, press the DOWN ⏮ or UP ⏭ button to adjust the volume of the center or surround speakers to match the level of the left and right speakers.



To adjust the balance between the left and right speakers, use the BALANCE control while "L" or "R" is displayed.

4 Press the MANUAL SELECT (TEST) button again to stop the noise signal.

NOTE

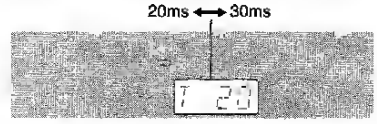
If the surround speakers volume of the DSP is changed (See page 7), the DOLBY PRO LOGIC level is also changed.

About the channels

The left and right speakers create the stereo effect.
The center speaker helps achieve precise sound positioning over a broad sound field.
The rear-mounted surround speakers enhance the "depth" of the sound field.

To change the delay time

The surround speakers reproduce sounds a split second after the front speakers. The delay is initially set to 20 ms (milliseconds).
To change this standard delay time, press the MANUAL SELECT (TEST) button on the remote control three times in NORMAL mode (or twice in PHANTOM mode) so that "T" is displayed. Then, press the DOWN ⏮ or UP ⏭ button. Each time one of the buttons is pressed, the delay time changes as shown below.



To change the sound levels after adjusting the balance with the noise sequencer

The sound levels of the center or surround speakers can be adjusted during playback of laser discs or video software.

1 Press the MANUAL SELECT (TEST) button on the remote control once or twice to select "C" (center) or "S" (surround).
2 While the "C" or "S" is displayed, press the DOWN ⏮ or UP ⏭ button on the remote control to adjust the volume.

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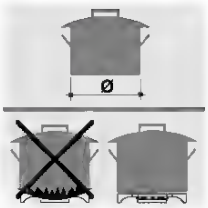
9. Cooking suggestions

9.1 Suggestions for using the hob burners correctly



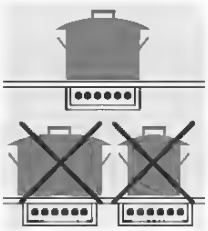
The diameter of the base of cooking utensils should fit the diameter of the burner used (see adjacent table). The burner flame must never be wider than the diameter of the utensils. Use utensils with a flat base. Where possible use pots with a lid, as this allows less power to be used. To reduce cooking times for vegetables, potatoes, etc., use a small amount of water.

Burner	Utensil diameter (in cm)
Rapid	from 24 to 26
Semi rapid	from 16 to 22
Auxiliary	from 8 to 14
Triple-ring	from 24 to 26
Fish kettle	from 16 to 35

9.2 Suggestions for using the fry-top correctly

Foods cooked on the fry-top have a special taste that does not require the excessive use of spices. It is possible to cook in different ways. For example, different foods, such as meat and fish, can be cooked at the same time. Before cooking meat, we recommend treating it with flavoured oil or marinating it for a few hours.
A little tip: meat should always be salted after cooking on the griddle, so that its juices are sealed in.

9.3 Suggestions for using the ceramic hob correctly



In order to obtain maximum efficiency and efficient consumption, it is essential to use only utensils that are suitable for use on a ceramic hob. The diameter of the base of the utensil must be the same as the diameter of the outline of the cooking area. Energy is wasted if they are not the same.
The base of the utensil must be very thick and perfectly flat. It should also be clean and dry, as should the glass on the hob.
Do not use cast iron pots or pots with a rough base, as they may scratch the surface.

9.4 Suggestions for using the oven correctly

The oven is multifunction. It is possible to cook traditionally, with convection and with the grill.

The oven door should be completely closed for all types of cooking including grilling.

9.4.1 Traditional cooking

With this type of cooking, the heat comes from the top and the bottom. It is therefore preferable to use the central guides. If the cooking requires a hotter temperature from the bottom or from the top, use the lower or upper guides. Traditional cooking is recommended for all food that requires high cooking temperatures, or long brazing times. This system is also recommended when cooking with **dishes** made of terracotta, porcelain and similar materials.

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Notes on the Baking Tables

In the tables you will find information on temperatures, cooking times and shelf positions for a selection of dishes.

- Ranges are given for the temperature and cooking time since these are dependent on the mixture, quantity and cake tin used.
- When using for the first time, we recommend setting the lower temperature, and only if necessary, e.g. if increased browning is required or the cooking time is too long, selecting a higher temperature.
- If you cannot find specific information for one of your own recipes, use information on a similar recipe for guidance.

Switch off the oven 10-15 minutes before the end of the cooking time to make use of the residual heat.

The information in the tables applies, when not otherwise stated, for a cold oven.

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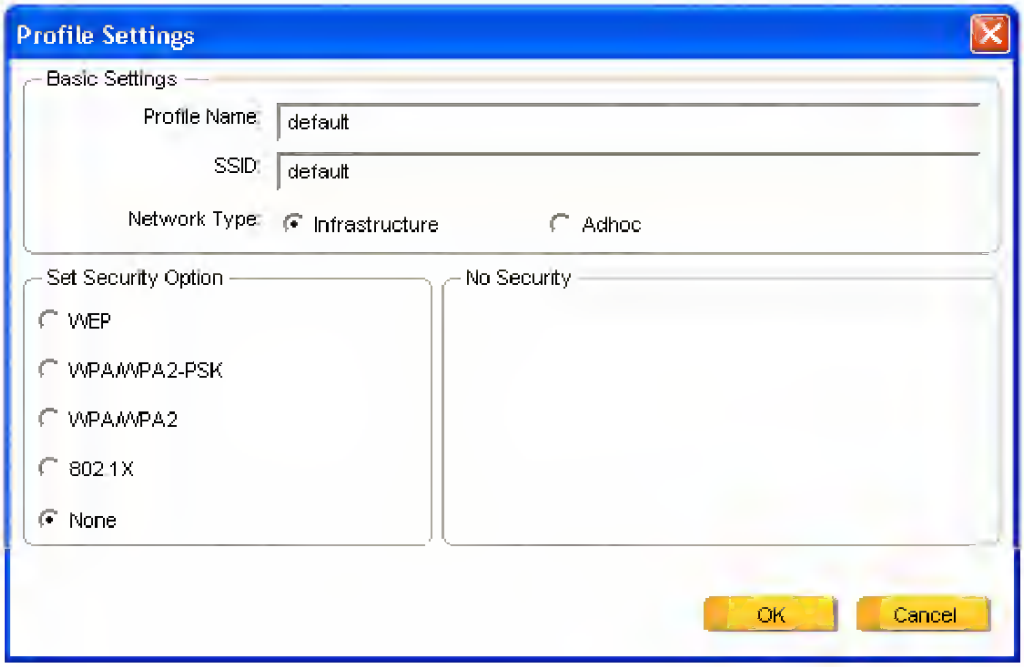
The **Profile Settings** box will appear allowing you to specify the settings for your new profile or change settings for your existing profile.



Once you are finished entering the settings, click **OK** to save the changes.

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3.2 Setting up TCP/IP

Before proceeding, make sure your computer is equipped with Ethernet network card or wireless adapter and has appropriate network card driver and TCP/IP installed.

Note

1. If TCP/IP protocol is not installed on your PC, refer to Windows documentations for installation instructions.
2. For initial configuration, it's recommended to connect only one PC directly to the LAN port on the Wireless Broadband Router.

For Windows 98/ME

Step 1 Click on the **Start** menu, point to **Settings** and click on **Control Panel**.

Step 2 Double-click the **Network** icon.

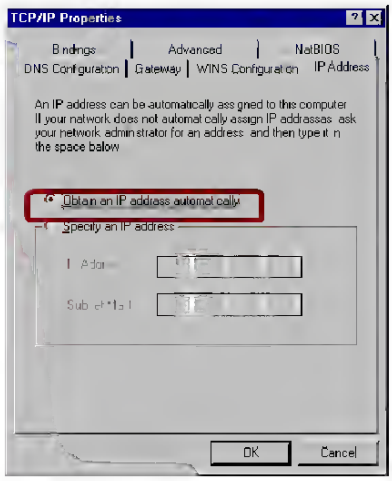
Step 3 In the **Network** window, highlight **TCP/IP** protocol for your NIC or wireless adapter and click **Properties**.

Step 4 Choose one of the methods as required:

Option A: Using DHCP

On the **IP Address** tab, select **Obtain an IP address automatically** and click **OK**.

Then an IP address will be automatically assigned to your computer.


TCP/IP Properties
Bindings
Advanced
NetBIOS
DNS Configuration
Gateway
WINS Configuration
IP Address
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.
Obtain an IP address automatically
Specify an IP address:
OK
Cancel

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China RoHS

The People's Republic of China released a regulation called "Management Methods for Controlling Pollution by Electronic Information Products" or commonly referred to as China RoHS All products including CRT and Monitor which are produced and sold for China market have to meet China RoHS request

中国大陆 RoHS

根据中国大陆《电子电气产品有害物质限制使用标识要求》（也称为中国大陆 RoHS），以下部分列出了本产品中可能包含的有害物质的名称和含量。

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
外壳	O	O	O	O	O	O
液晶显示屏 / 灯管	X	O	O	O	O	O
电路板组件 *	X	O	O	O	O	O
电源适配器	X	O	O	O	O	O
电源线 / 连接线	X	O	O	O	O	O
遥控器	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制

*：电路板组件包括印刷电路板及其构成的零部件，如电阻、电容、集成电路、连接器等。

O：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

X：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。但是上表中打 "X" 的部件，其含量超出是因为目前业界还没有成熟的可替代的技术。

环保使用期限

此标识指期限（十年），电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，电子信息产品用户使用该电子信息产品不会对环境造成严重污染或对其人身、财产造成严重损害的期限。

中国能源效率标识

根据中国大陆《能源效率标识管理办法》，本显示器符合以下要求：

能源效率(cd/W)	> 1.05
关闭状态能耗（W）	< 0.5
能效等级	1级
能效标准	GB 21520-2008

详细有关信息请查阅中国能效标识网：http://www.energylabel.gov.cn/

《废弃电器电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球，当用户不再需要此产品或产品寿命终止时，请遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理。

EU Energy Label

The European Energy Label informs you on the energy efficiency class of this product The greener the energy efficiency class of this product is the lower the energy it consumes

On the label, you can find the energy efficiency class, the average power consumption of this product in use and the average energy consumption for 1 year

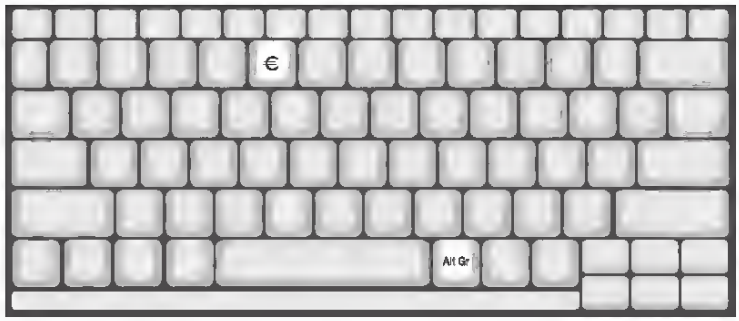
Note

The EU Energy Label will be ONLY applied on the models bundling with HDMI and TV tuners

English

Special keys

You can locate the Euro symbol at the upper-center and/or bottom-right of your keyboard. To type:



The Euro symbol

1 Open a text editor or word processor.

2 Either directly press the **Euro** key at the bottom-right of the keyboard, or hold **<Alt Gr>** and then press the **Euro** key at the upper-center of the keyboard.

Note: Some fonts and software do not support the Euro symbol. Please refer to www.microsoft.com/typography/faq/faq12.htm for more information.

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Using the VESA mount

Your Chromebox can be fitted with an optional VESA-compatible mount that allows you to mount it behind a compatible monitor or TV.

Note: If your display's VESA mounting holes are currently used for a stand, you will not be able to attach your Chromebox to the rear of the display.

1. Attach the mounting plate to the back of your display using the screws as illustrated.

(For selected models)

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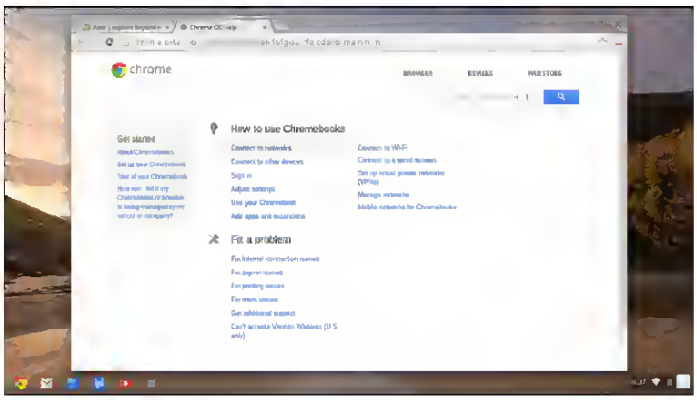
English

Help

Online and offline help

Additional help is available both online and offline. Help covers basic troubleshooting as well as more detailed information about Chrome OS and using your Chromebase.



To access the help pages:

1. Click the status area in the lower-right corner where your account picture appears.
2. Click on the question mark <?>.

Note: If you are connected to the Internet, the more extensive online help will automatically open. Otherwise, the offline help will open.

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ROSE Calls and Primitives

The supported ROSE function calls and primitives are listed in Table 2-3 and in Table 2-4. Also refer to the man page RO_INTRO(5) for general information about ROSE.

ROSE Calls

ROSE only supports two calls as listed below. ROSE is used to provide ROSE provider services to an application using the ACSE/Presentation interface.

Table 2-3 Rose Calls

ROSE Calls	Description
`ro_bind()`	Enable ROSE provider.
`ro_unbind()`	Disable ROSE provider.

ROSE Primitives

ROSE primitives are listed in the following table. Note that the primitives are grouped in the sequence used in an application. For example, the RO_RESULT_xxx primitives are listed RO_RESULT_REQ (request) followed by RO_RESULT_IND (indication).

Table 2-4 ROSE Primitives

Primitives	Description
`RO_ERROR_REQ`	Negative remote operation results request.
`RO_ERROR_IND`	Negative remote operation result indication.
`RO_INVOKE_REQ` `RO_INVOKEREQ`	Remote operation request.
`RO_INVOKE_IND` `RO_INVOKEIND`	Remote operation indication.

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Problem: The image is outstretched when displaying 16:9 DVD.

The projector automatically detects 16:9 DVD and adjusts the aspect ratio by digitizing to full screen with 4:3 default setting.

If the image is still outstretched, you will also need to adjust the aspect ratio by referring to the following:

- Please select 4:3 aspect ratio type on your DVD player if you are playing a 16:9 DVD.
- If you can't select 4:3 aspect ratio type on your DVD player, please select 4:3 aspect ratio in the on screen menu.

Problem: Image is reversed.

- Select "Management" from the OSD and adjust the projection direction. See page 24.

Problem: Lamp burns out or makes a popping sound

- When the lamp reaches its end of life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, follow the procedures in the "Replacing the Lamp". See page 29.

Problem: LED lighting message

Message	Power LED		Temp LED	Lamp LED
	Green	Orange		
Standby State (Input power cord)	Flashing	Off	Off	Off
Lamp lighting	On	Off	Off	Off
Power on	On	Off	Off	Off
Power off	Off	On	Off	Off
Error (Lamp fail)	Off	On	Off	On
Error (Thermal fail)	On	Off	On	Off
Error (Fan lock fail)	Off	On	Flashing	Off
Error (Over Temp.)	Off	On	On	Off
Error (Lamp Breakdown)	Off	On	Off	On

Problem: Message Reminders

- "Lamp may fail soon! Replacement suggested!" will be shown about 10 seconds when lamp life is going to deplete.
- "Projector Overheated. Lamp will automatically turn off soon." will be shown when the system temperature is over heat.
- "Fan Fail. Lamp will automatically turn off soon." will be shown when the fan is out of order.

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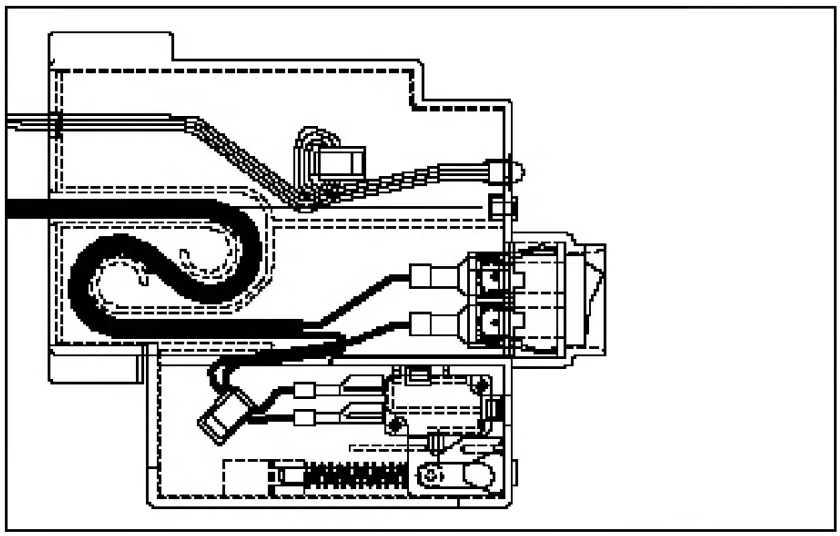

Figure 2-16. Power Supply Switch Cable Strain Relief

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(FR)

CHAPITRE 8

SELECTION

L'appareil dispase de graupes de pragrammes différents paur laver taus types de tissus et selan différents degrés de salissure en attribuant au type de lavage, la température et la durée (vair tableau des pragrammes de lavage).

TISSUS RÉSISTANTS
Ces pragrammes sant destinés à accamplir des lavages et des rinçages avec le maximum d'efficacité.
Ils sant entrecaupés de cycles d'essarages qui affrent des résultats parfaits sur le rinçage.
L'essarage final retire le maximum d'eau cantenue dans les tissus.

TISSUS MIXTES ET SYNTHÉTIQUES
La cambinaisan d'un système de lavage efficace, une ratatian aptimum du tambaur et l'autagestian du niveau d'eau assurent des résultats de lavage excellents, pendant qu'un rinçage délicat évite les faux plis.

TISSUS TRÈS DÉLICATS

Il s'agit d'un nauveau cancept de lavage qui alterne des maments de brassage et de trempage du linge; ce pracessus est particulièrement indiqué paur le lavage de tissus extrêmement délicats.
Le lavage et le rinçage sant effectués à pleine eau afin d'abtenir les meilleures prestatians.

(EN)

CHAPTER 8

SELECTION

Far the variaus types af fabrics and variaus degrees af dirt the washing machine has different pragramme bands accarding ta: wash cycle, temperature and lenght af cycle (see table af washing cycle pragrammes).

RESISTANTS FABRICS
The pragrammes have been designed far a maximum wash and the rinses, with spin intervals, ensure perfect rinsing.
The final spin gives mare efficient remaval af water.

MIXED AND SYNTHETIC FABRICS
The main wash and the rinse gives best results thanks ta the ratatian rhythms af the drum and ta the water levels.
A gentle spin will mean that the fabrics became less creased.

SPECIAL DELICATE FIBRES

This is a new wash cycle which alternates washing and saaking and is particularly recammended far very delicate fabrics.
The wash cycle and rinses are carried aut with high water levels ta ensure best results.

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